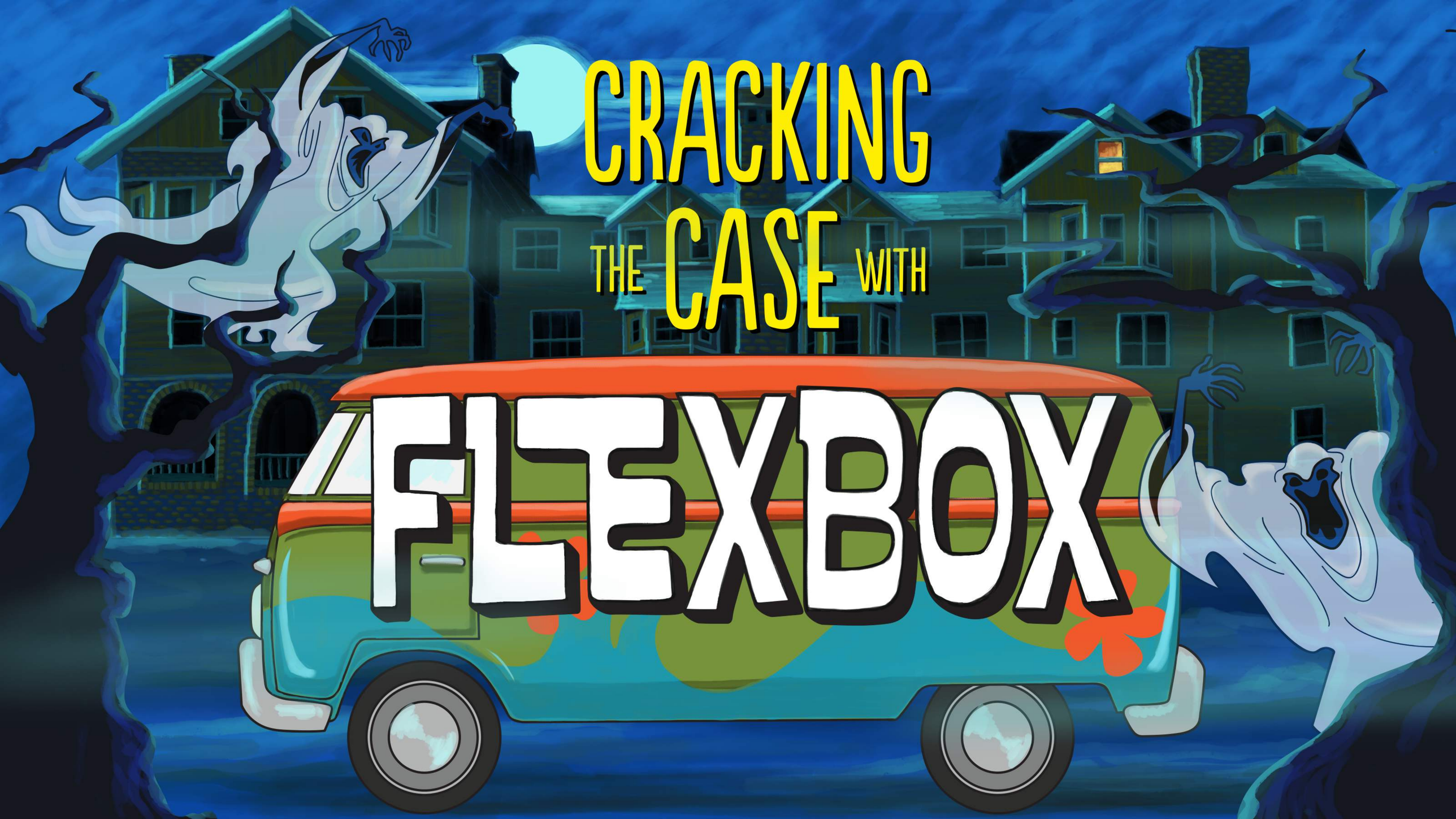

CRACKING
THE CASE WITH
FLEXBOX

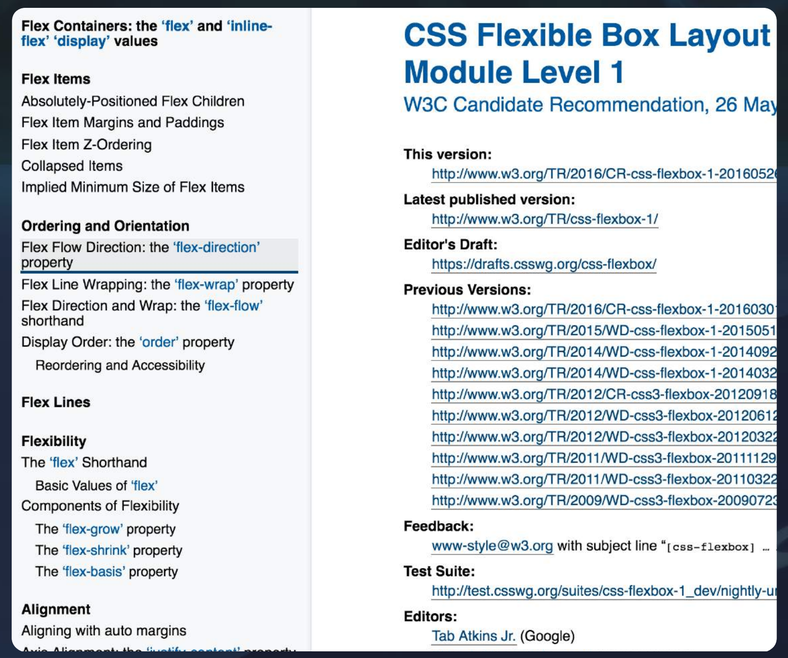
Level 1 – Section 1

Foreshadowing Flexbox

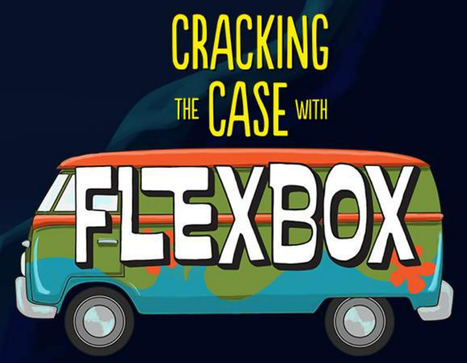
A Display Type Created for Common Patterns

CSS Flexible Box Layout Module Level 1

Flexbox is a collection of CSS properties used to align content and distribute space.



- Two new display values
- 11 new properties
- http://go.codeschool.com/flexbox-spec
- http://go.codeschool.com/caniuse-flexbox



UI Patterns in Flexbox

- Equal heights
- Vertically centered content
- Media objects
- Sticky footers
- Column layouts

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Flexbox Is a New Display Type

Flexbox adds flex containers, flex items, and flex lines in addition to new properties.

- Block layout
- Table layout
- Inline layout
- Positioning layout
- Flex layout
  - Flex containers
  - Flex items
  - Flex lines

Learn about other layouts and core HTML and CSS in these courses.

Default Behaviors of Elements

index.html HTML

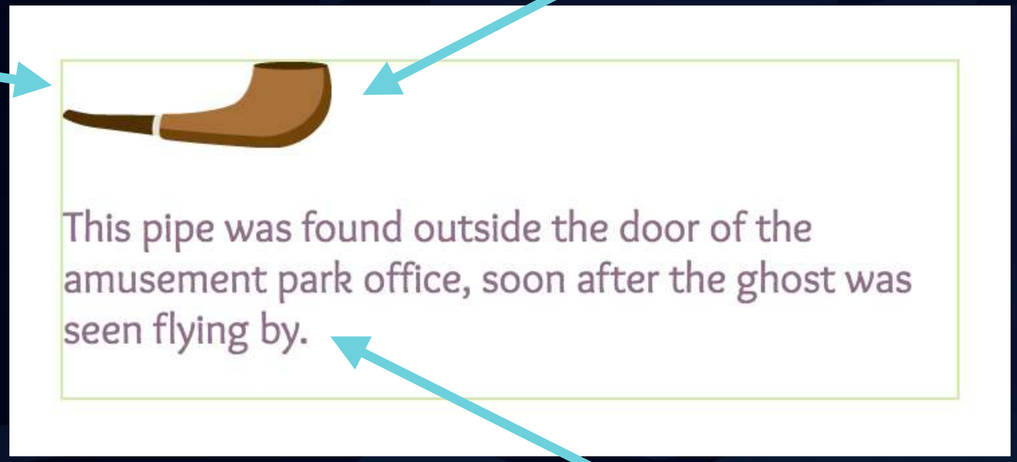
```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <p>...</p>
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6; }
```

display: block

display: inline



display: block

Overriding Default Behaviors

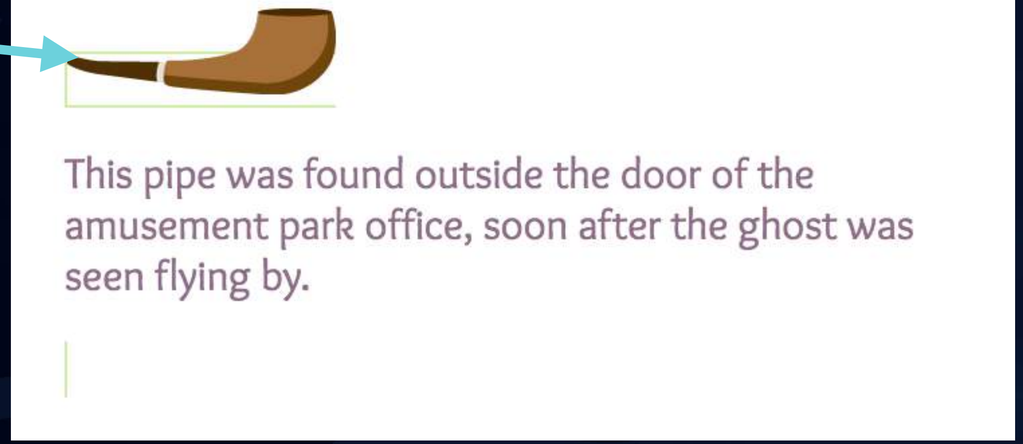
index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <p>...</p>
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: inline; }
```

Collapsed



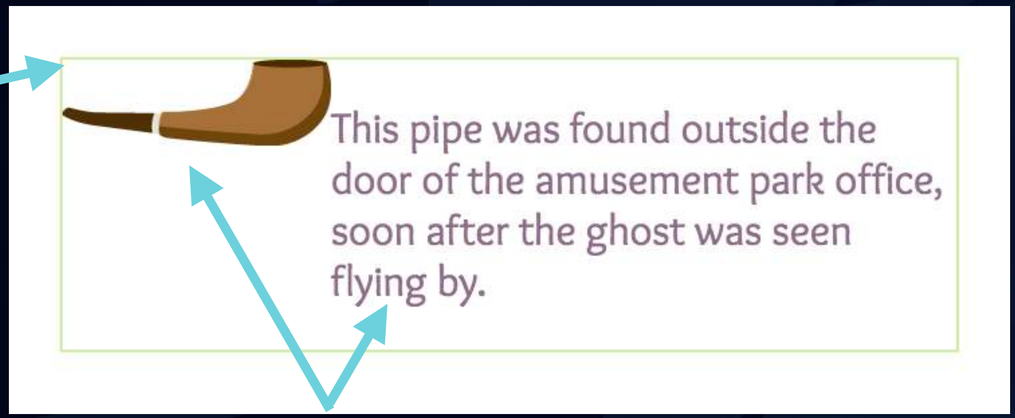
Flex Containers Control Layout of Child Items

index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <p>...</p>
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: flex; }
```



display: flex **Creates a Block-level Container**

index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <p>...</p>
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: flex; }
```

This pipe was found outside the door of the amusement park office, soon after the ghost was seen flying by.

Uses all available width

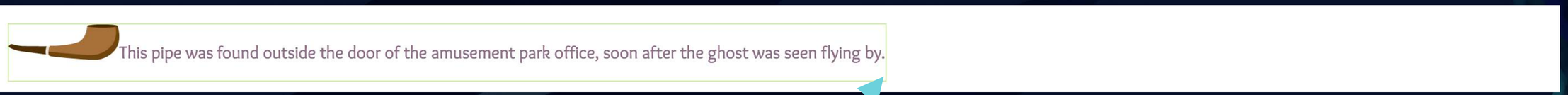
display: inline-flex **Creates an Inline Container**

index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <p>...</p>
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: inline-flex; }
```



Container adjusts to width of the content

Flex Items Are Distributed Along Flex Lines

Flex items are direct children of a flex container and can be HTML elements or text.

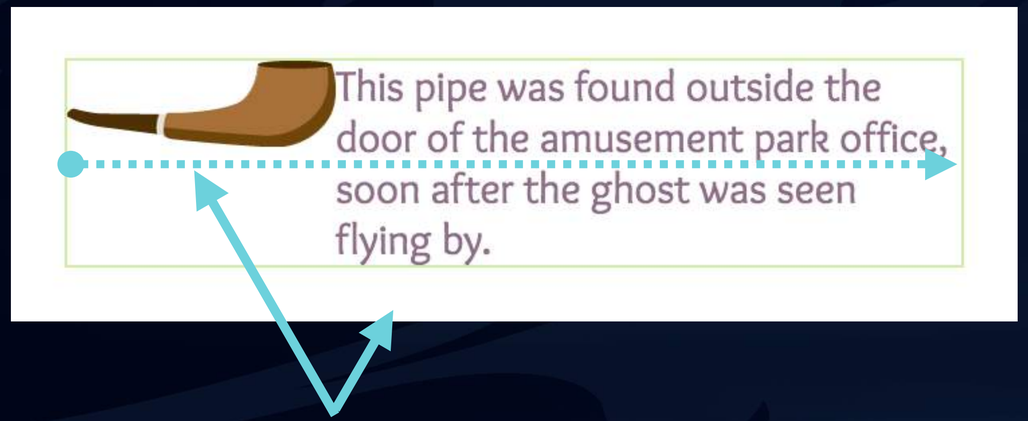
index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  This pipe was found outside...
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: flex; }
```

No HTML element — just text



Two flex items fill the available space of a horizontal flex line

Flex Item Spacing

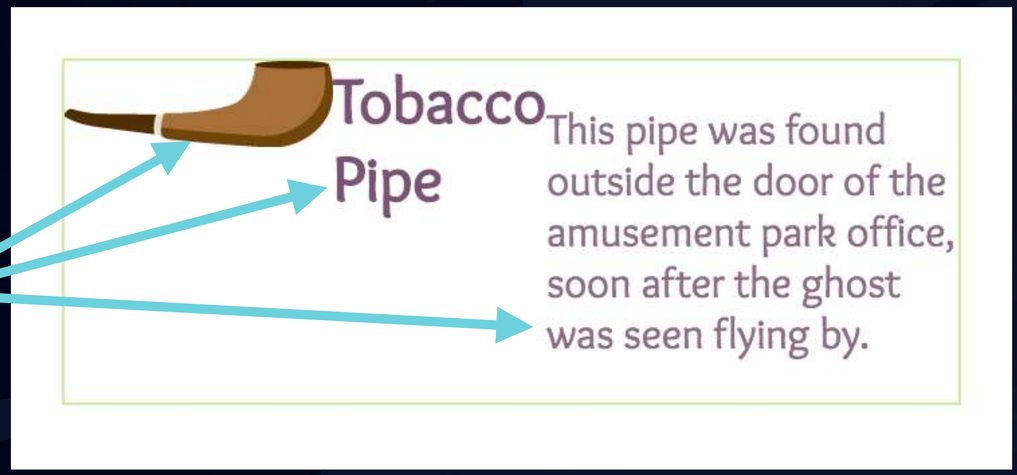
A spacing algorithm is used to distribute space of all flex items across a single flex line.

index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <h3>...</h3>
  <p>...</p>
</article>
```

site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: flex; }
```



Grouping Elements Into Flex Items

Grandchild elements do not become flex items.

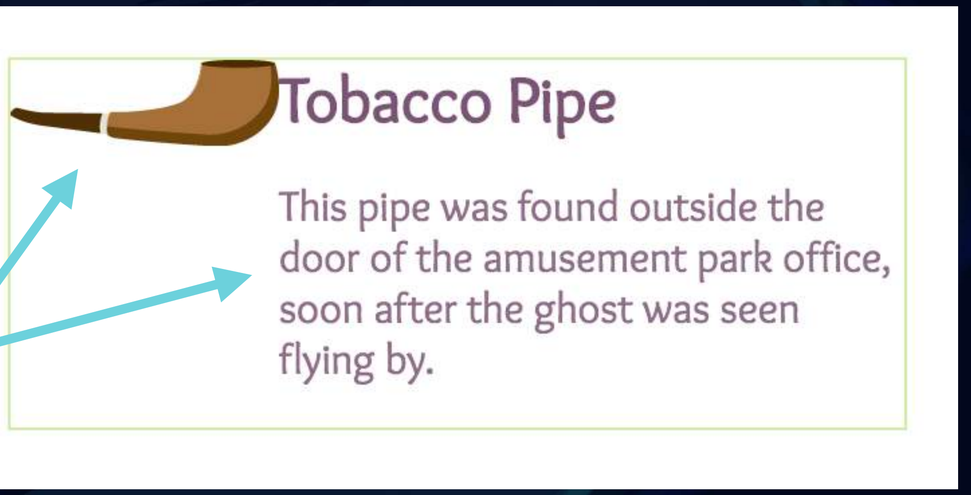
index.html HTML

```
<article class="setup">This ...
  <img height="150" height="150" ...>
  <div>
    <h3>...</h3>
    <p>...</p>
  </div>
</article>
```

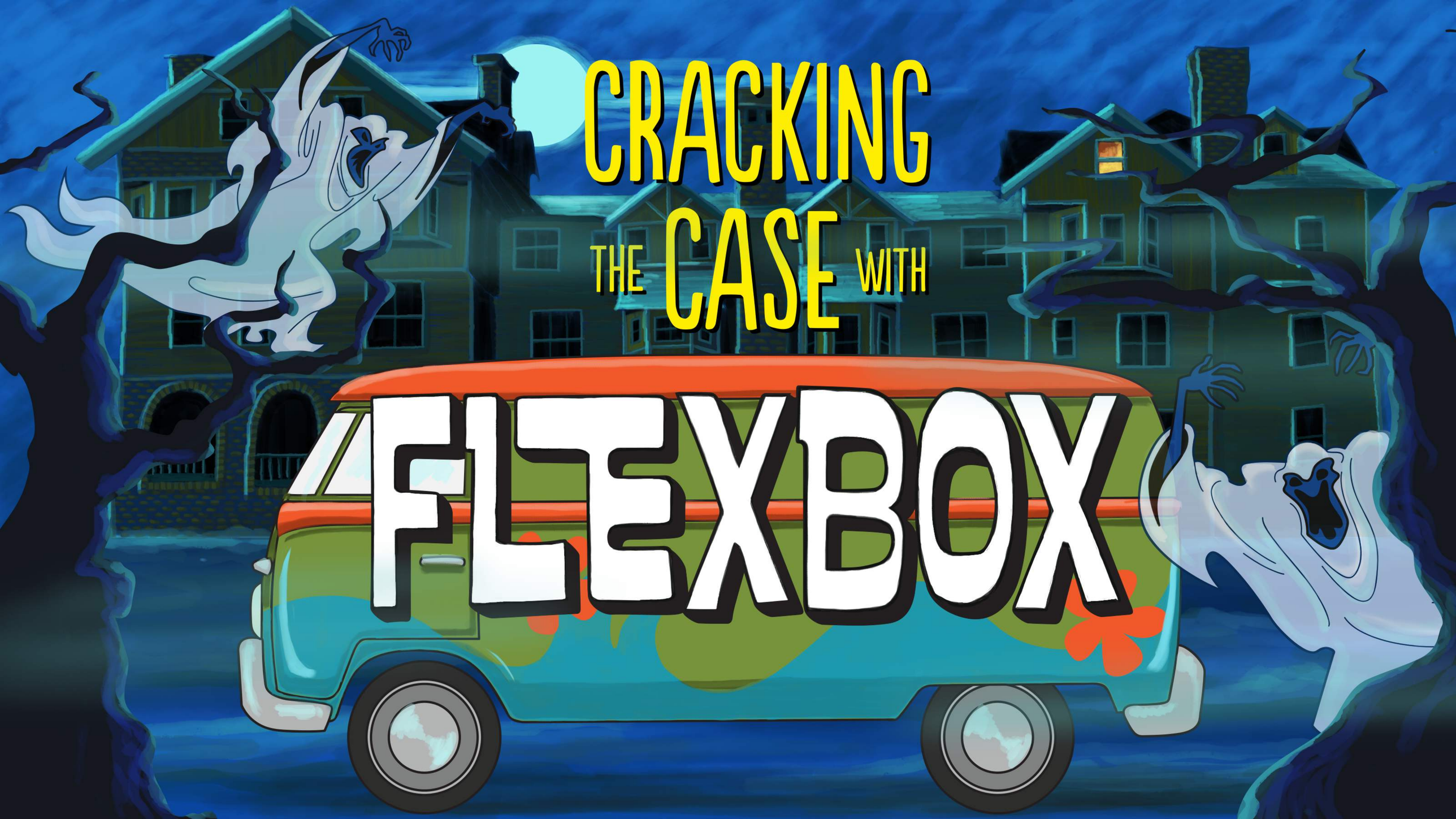
site.css CSS

```
article {
  border: 1px solid #d1eda6;
  display: flex; }
```

Two flex items



Two flex items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